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UNITED STATES MANUFACTURERS OF EQUIPMENT FOR PROCESSING COTTONSEED AND PEANUTS INTO OILS, MEAL, AND BYPRODUCTS

Bureau of Agricultural and Industrial Chemistry
Agricultural Research Administration
United States Department of Agriculture

The following names include most of the companies serving this particular field. These names are furnished for convenience and general information. It should be understood that no guarantee of completeness is implied and no discrimination is intended. The products of these manufacturers are not recommended over the products of other manufacturers. The products of these firms are also of general adaptability to the processing of many other oilseeds. For further convenience, a cross listing under different classification is included.

Additional information can be obtained by referring to the following books or catalogs:

Thomas' Register of American Manufacturers, Thomas Publishing Company, 461 Eighth Avenue, New York, New York

The International Green Book, Cotton and Cotton Oil Press Dallas, Texas

Consolidated Grain Milling Catalog, National Miller Publications 330 South Wells Street, Chicago, Ill.

Chemical Engineering Catalog, Reinhold Publishing Corporation 330 West 42nd Street, New York 18, New York

Sweet's File, Sweet's Catalog Service, 119 West 40th Street New York 18, New York

The A.S.M.E. Mechanical Catalog and Directory
The American Society of Mechanical Engineers, 29 West 39th Street New York, New York

Blue Book of Soap and Sanitary Chemicals, MacNair Darland Company 254 West 31st Street, New York, N. Y.

A 1 Acme Coppersmithing & Machine Company, Oreland, Pa.
A 2 Acme Industrial Equipment Corp., 9 Amory Street, Boston, Mass.
A 3 Air Products, Incorporated, Box 1257, Chattanooga, Tenn.
A 4 The Allbright-Nell Co., 5315 South Western Boulevard, Chicago, Ill.
A 5 Allis-Chalmers Manufacturing Co., Milwaukee 1, Wis.
A 6 American Copper and Brass Works, 610 East Front St., Cincinnati 2, Ohio
A 7 Anderson, V. D. Company, 1935 West 96th St., Cleveland, Ohio
A 8 Ansonia Copper and Iron Works, Inc., 621 Evans St., Cincinnati, Ohio
A 9 Atlanta Utility Works, East Point, Georgia
A 10 Artisan Metal Products, Inc., 211 Congress St., Boston 10, Mass.

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B 1 Badger, E. B. & Sons, 75 Pitts Street, Boston 14, Mass.
B 2 Bartlett, C. O. & Snow Co., 6400 Harvard Avenue, Cleveland 5, Ohio
B 3 Bauer Bros. Co., The, Springfield, Ohio
B 4 Bennett-Clark Company, Inc., Nacogdoches, Texas
B 5 Blaw-Knox Company, Blaw-Knox Division, Box 915, Pittsburgh, Pa.
B 6 Boardman Co., The, Oklahoma City, Oklahoma
B 7 Briggs-Weaver Machinery Company, 309 North Market Street, Dallas 2, Texas
B 8 Buckeye Iron & Brass Works, Dayton, Ohio
B 9 Buffalo Foundry & Machine Company, 1575 Fillmore Avenue, Buffalo, New York
B 10 Butters Manufacturing Co., Atlanta, Georgia

C 1 Carbide and Carbon Chemicals Corporation, 30 E. 42nd St., New York 17, N. Y.
C 2 Carver Cotton Gin Co., East Bridgewater, Mass.
C 3 Carver, Fred S., 347 Hudson Street, New York 14, New York
C 4 Chandler Construction Company, East Bridgewater, Mass.
C 5 Continental Gin Company, Atlanta, Georgia

D 1 Davidson-Kennedy Co., Atlanta, Georgia
D 2 Dawson Sheet Metal Works, Dawson, Georgia
D 3 DeLaval Separator Company, 165 Broadway, New York 6, New York
D 4 Detrex Corporation, 13005 Hillview Ave., Detroit, Michigan
D 5 Devine, J. P. Manufacturing Co., Inc., Mt. Vernon, Illinois
D 6 Dicalite Company, The, 520 N. Michigan Avenue, Chicago 11, Illinois

E 1 Eclipse Fuel Engineering Co., 751 S. Main St., Rockford, Illinois
E 2 Electric Heating Equipment Company, 32nd & Ludlow Streets, Philadelphia 4, Pa.
E 3 Elliot Company, Jeannette, P .
E 4 Emery Industries, Incorporated, 4300 Carew Tower, Cincinnati 2, Ohio

F 1 Filtrol Corporation, 634 S. Spring Street, Los Angeles 14, California
F 2 Food Machinery Corporation (Sprague Sells Division), 101 East Maple Street, Hoopston, Illinois
F 3 Fort Worth Steel & Machinery Co., Box 1038, Fort Worth, Texas
F 4 Foster Wheeler Corporation, 165 Broadway, New York 1, New York
F 5 French Oil Mill Machinery Co., Piqua, Ohio
F 6 Fuller Company, Catasuqua, Pennsylvania

G 1 Gas Industries Co., Pittsburgh, Pennsylvania
G 2 Gilman Paint and Varnish Company, Chattanooga, Tenn.
G 3 Girdler Corporation, The, Louisville 1, Kentucky
G 4 Great Western Manufacturing Co., Leavenworth, Kansas
G 5 Gump, B. F. Co., 441 South Clinton Street, Chicago, Illinois

H 1 Harshaw Chemical Company, The, 1945 East 97th Street, Cleveland 6, Ohio
H 2 Hicks, S. D. & Son Co., Inc., 51 East 42nd Street, New York 17, New York

H 3 Horix Manufacturing Company, Greenway Drive, Pittsburgh, Pa.
H 4 Huntley Manufacturing Co., Silver Creek, New York

I 1 Industrial Chemical Sales, 35 East Wacker Drive, Chicago 1, Illinois

J 1 Jeffrey Manufacturing Company, The, 924-99 North Fourth Street, Columbus 16, Ohio
J 2 Johns-Manville, 22 East 40th Street, New York, New York

K 1 Karl Kiefer Machine Co., 920 Martin Street, Cincinnati, Ohio
K 2 Koven, L. O., & Brother, Inc., 154 Ogden Avenue, Jersey City 7, N. J.

L 1 Leader Iron Works, Inc., 2500 North Jasper Street, Decatur, Illinois
L 2 Lee, Alan Porter, Inc., 136 Liberty St., New York, N. Y.
L 3 Link-Belt Company, 1116 Murphy Avenue, S. W., Atlanta, Georgia
L 4 Lummus Company, 420 Lexington Avenue, New York 17, New York

M 1 Medley Manufacturing Co., Columbus, Georgia

N 1 National Acme Company, The, 170 East 131st Street, Cleveland, Ohio
N 2 National Blow Pipe & Mfg. Co., Ltd., 738 Dryades St., New Orleans, La.
N 3 Newell Construction & Machinery Company, Cedar Rapids, Iowa

O 1 Oliver United Filters, Inc., 33 West 42nd St., New York 18, N. Y.
O 2 Oriental Textile Mills, 610 Forsyth Building, Atlanta, Georgia

P 1 Patterson Foundry & Machine Company, The, East Liverpool, Ohio
P 2 Phelps, Hubert, Machinery Company, Box 1093, Little Rock, Arkansas
P 3 Philadelphia Coppersmithing Co., Poplar, Front, Brown Sts., Philadelphia, Pa.
P 4 Pneumatic Scale Corporation, Ltd., 68 Newport Avenue, North Quincy, Mass.

R 1 Read Machinery Co., Inc., York, Pennsylvania
R 2 Refining, Inc., 30-30 Northern Boulevard, Long Island City, N. Y.

S 1 Schultz, W. F. H., Incorporated, 522 Fifth Avenue, New York, New York
S 2 Scott, Ernest & Co., Summer and Anawan, Fall River, Mass.
S 3 Seymour Manufacturing Company, Ruffert Chemical Division, Seymour, Conn.
S 4 Sharples Corporation, The, 23rd and Westmoreland Sts., Philadelphia 3, Pa.
S 5 Shriver, T., & Company, Inc., Harrison, N. J.
S 6 Sieck & Drucker, Inc., 9 South Clinton St., Chicago, Illinois
S 7 Solomon, L. A., and Brothers, 216 Pearl Street, New York 7, New York

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S 8 Sperry, D. R. & Co., Batavia, Illinois
S 9 Sprout, Waldron & Company, Sherman Street, Muncy, Pennsylvania
S 10 Stokes, F. J. Machine Company, 5010 Tabor Road, Olney Post Office Philadelphia, Pa.
S 11 Struthers-Wells Corporation, Warren, Pa.
S 12 Sturtevant Mill Co., 2 Harrison Square, Boston 27, Mass.
S 13 Sutton, Steele & Steele, Inc., Dallas, Texas
S 14 Swenson Evaporator Company, 15649 Lathrop Avenue, Harvey, Ill.

T 1 Texas Belting & Supply Co., Inc., 3313 McKinney St., Houston, Texas

V 1 Vulcan Copper & Supply Company, The, Cincinnati, Ohio

W 1 Werk Manufacturing Co., 3501 Gravier St., New Orleans, La.
W 2 Wolf Company, The, 62 Commerce St., Chambersburg, Pa.
W 3 Wood, A. A. & Sons Co., Box 937, Atlanta, Georgia
W 4 Wurster & Sanger, Inc., 5201 S. Kenwood Avenue, Chicago 15, Illinois

PREPARATION EQUIPMENT, COTTONSEED AND PEANUTS

CONVEYING

Mechanical: A-5, C-5, F-3, G-4, L-3, T-1

Pneumatic: B-6, F-3, F-6, N-2, P-2

CLEANING

Mechanical, pneumatic, and mechanical-pneumatic: A-9, B-3, B-6, C-2, D-1, H-4, N-2, S-13

Stoners (peanuts): A-9, B-3, D-2, H-4, S-13

DELINTING

Linters: C-2, C-5, F-2

Linter saw-sharpening machines: B-10, C-2, F-3, W-3

Lint and mote cleaners: A-9, C-2, F-3

Lint collection (pneumatic) and bailers: C-5, F-3, N-2

HULLING

Cottonseed: B-3, C-2, C-4, D-1

Peanuts: B-3, C-2, C-4, H-4, N-1

SEPARATION

Mechanical and mechanical-pneumatic: A-9, B-3, C-2, D-2, F-3, H-4, S-13

PNEUMATIC LINT AND DUST REMOVAL SYSTEMS FOR OIL MILLS: F-3, N-2

CRACKING AND FLAKING: A-5, B-5, B-8, D-1, F-5, S-9, W-2

COOKING

Atmospheric (standard procedure): B-8, D-1, F-5

Pressure: D-1, F-5

OIL EXTRACTION, COTTONSEED AND PEANUTS

MECHANICAL SCREW PRESSING - Presses and Tempering Equipment: A-7, F-5

HYDRAULIC PRESSING

Presses, cake-formers, cake trimmers, cloth strippers: B-7, B-8, C-3, D-1, F-5

Press-cloths: O-2, W-1

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OIL EXTRACTION, COTTONSEED AND PEANUTS, CONTINUED:

SOLVENT EXTRACTION (Equipment developed so far mainly for soybean industry, cocoa butter, cracklings, metal degreasing, etc.-possibly adaptable to cottonseed and peanuts):

Continuous countercurrent installations: A-1, A-5, B-5, B-9, D-4, F-5, R-1, S-6, S-11, V-1, W-2

Other installations: A-2, A-10, B-1, B-2, C-1, D-5, H-2, K-2, L-1, L-2, L-4, N-3, P-3, S-2, S-10, S-14, W-4

MEAL GRINDERS, CAKE BREAKERS: A-5, B-3, F-3, J-1, P-1, S-9, S-12

FEED MIXING: F-3, G-4, G-5, S-9, P-1

OIL PROCESSING, COTTONSEED AND PEANUTS

REFINING

Batch:

Refining and settling kettles: L-2, S-6, W-4
Vacuum dryers: S-6, W-4
Vacuum refining: W-4

Continuous: refining, centrifugal separation, washing, vacuum drying: D-3, N-1, R-2, S-4, W-4

BLEACHING AND CLARIFICATION

Batch installations (atmospheric): L-2, S-6, W-4
Batch installations (vacuum): S-6, W-4
Filter presses: O-1, S-5, S-8
Bleaching agents, filter aids, etc.: B-4, D-6, F-1, I-1, J-2, S-7

HYDROGENATION

Catalyst preparation and recovery: G-2, H-1, S-3, S-6, W-4
Hydrogenators: L-2, S-6, W-4
Hydrogen storage tanks: G-3, S-6, W-4
Hydrogen manufacture: A-3, E-2, G-1, G-3, S-1, S-6, W-4

WINTERIZATION

Batch crystallization (standard procedure): S-6, W-4
Continuous solvent crystallization (under development): F-4, G-3

DEODORIZATION

Batch installations: H-2, L-2, S-6, W-4
Continuous installations: E-3, F-4, W-4
Dowtherm heating systems: E-1, F-4

OIL PROCESSING, COTTONSEED AND PEANUTS, CONTINUED:

SHORTENING, COMPOUND PREPARATION (Crystallization, aeration, etc.)

Chilling rolls: A-4, B-9, S-6, W-4
Votators: G-3
Filling: F-2, H-3, K-1, P-4

BYPRODUCTS

Fatty acids (soapstock acidulation, hydrolysis, distillation): A-1, B-1, B-5, E-4, F-4, H-2, L-2, S-11, W-4

Glycerine (refining, distillation): A-6, A-8, B-1, B-5, F-4, H-2, L-1, L-2, S-11, S-14, W-4

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July 26, 1945

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